Name (Print/Type)

9-13528-156US

BETTS, Malcolm

44,206

Date

Nov. 22, 2001

Registration No. (Attorney/Agent)

Attorney Docket No.

## UTILITY PATENT APPLICATION

PATENT APPLICATION	First Inventor BETTS, Malcolm	V			
TRANSMITTAL	CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL Title TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES	=			
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.	<u> </u>			
APPLICATION ELEMENTS	Assistant Commissioner for Patents	Ť			
See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Box Patent Application Washington, DC 20231	ł			
Fac Transmittal Form (p.g. DTO/SR/17)	7. CD-ROM or CD-R in duplicate, large table or	1			
1. (Submit an original and a duplicate for fee processing)	Computer Program (Appendix)	١			
2. Applicant claims small entity status. See 37 CFR 1.27.	Nucleotide and/or Amino Acid Sequence Submission     (if applicable, all necessary)	١			
3. Specification [Total Pages 32]	a. Computer Readable Form (CRF)				
<ul> <li>Descriptive title of the invention</li> <li>Cross Reference to Related Applications</li> </ul>	b. Specification Sequence Listing on:	1			
<ul> <li>Statement Regarding Fed sponsored R &amp; D</li> </ul>	i. CD-ROM or CD-R (2 copies); or	l			
<ul> <li>Reference to sequence listing, a table, or a computer program listing appendix</li> </ul>	ii. ☐ paper	١			
- Background of the Invention	c. Statements verifying identity of above copies	┙			
<ul> <li>Brief Summary of the Invention</li> <li>Brief Description of the Drawings (if filed)</li> </ul>	ACCOMPANYING APPLICATION PARTS	┩			
<ul><li>Detailed Description</li><li>Claim(s)</li></ul>	Assignment Papers (cover sheet & document(s))	ı			
- Abstract of the Disclosure	10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney	١			
4. X Drawing(s) (35 U.S.C. 113) [ Total Sheets 4 ]	11. English Translation Document (if applicable)	Į			
5. Oath or Declaration [ Total Pages 1 ]	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations	١			
	13. Preliminary Amendment	١			
a. Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed)	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	1			
i. DELETION OF INVENTOR(S)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)	١			
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR	Request and Certification under 35 U.S.C. 122	I			
1.63(d)(2) and 1.33(b).	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	1			
6. Application Data Sheet. See 37 CFR 1.76	17. X Other: 'Patent Appin: Fee Determination Record'				
18. If a CONTINUING APPLICATION, check appropriate box, and suppose the continuing application of the continuing applications and suppose the continuing applications are continued as a continuing application and continuing applications are continued as a continuing application and continuing applications are continued as a continuing application and continuing applications are continued as a continuing application and continuing applications are continued as a continuing application and continuing applications are continued as a continuing application and continuing applications are continued as a continuing application and continuing applications are continued as a continuing application and continued are continued as a continuing account and continuing are continued as a continuing account and continued are continued as a continuing account and continued are continued as a continuing account and continued are continued as a continued are continued are continued as a continued are continued are continued as a continued are continued as a conti	ply the requisite information below and in a preliminary amendment,	7			
or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP)	of prior application No.:/	1			
Prior application information: Examiner	Group Art Unit:	1			
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of Box 5b, is considered a part of the disclosure of the accompanying conti	ne prior application, from which an oath or declaration is supplied under	1			
The incorporation can only be relied upon when a portion has been inadv	rtently omitted from the submitted application parts.	_[			
19. CORRESPONI	ENCE ADDRESS	4			
Customer Number or Bar Code Label 020988 or Correspondence address below					
Name Ogilvy Renault					
Address					
City	State Zip Code				
Country	Pephone 613-230-6072 Fax 613-230-670	6			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Kent Daniels



## OGILVY RENAULT



November 22, 2001

Assistant Commissioner for Patents Washington, D.C. 20231 U.S.A.



Sir:

Re:

**New United States Patent Application** 

Title:

CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL

TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES

Inventor(s): Malcolm Betts, et al.

Assignee:

**Nortel Networks Limited** 

Our File:

9-13528-156US

Transmitted herewith for filing is the patent application of:

**INVENTORS:** 

Malcolm Betts

Kim B. Roberts

Ronald J. Gagnon

TITLE OF THE INVENTION:

CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES

The following documents are enclosed:

- Utility Patent Application Transmittal PTO/SB/05 a)
- b) Our cheque No. 008747,

Fee Transmittal Form PTO/SB/17 (in duplicate) and Patent Application Fee Determination Record PTO/SB/06, covering:

.../2



Filing Fee	\$740.00
Recording of Assignment	\$ 40.00
<b>Total Number of Claims:</b> 24	
Independent claims in excess of 3 (- @ \$84/42)	\$
Claims in excess of 20 (4 @ \$18/9)	\$ 72.00
Multiple dependent claim (- @\$280/140)	\$
Total	\$ 852.00

- c) Specification/Claims/Abstract
- d) Formal Drawings (4 Sheets Figs. 1 4)
- e) Declaration under 37 CFR 1.63, with Patent Application Data Sheet
- f) Power of Attorney (3)
- g) Assignment in favor of Nortel Networks Limited with Recordation Form PTO-1619A
- h) Return receipt postcard.

The applicant/inventor(s) qualify for large entity status.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Account No. 19-5113.

Please note that the address of the agents for the applicant in this matter should be the Montreal address identified in the enclosed Power of Attorney. Correspondence may be directed to Kent Daniels at the Montreal address of Ogilvy Renault.

Respectfully submitted,

Y. Doniel.

Kent Daniels

Reg. No. 44,206

Agent of Record

Encls. As above

PTO/SB/17 (09-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMISSIONS

Under the Paperwork Reduction Act of 19	95, no persons are required to	respond to a collection of infe	rademark Office; U.S. DEPARTMENT OF COM- primation unless it displays a valid OMB control i	MERCE number
FEE TRANSMITTAL		Complete if Known		
FEE IRANS	DIVILLIAL	Application Number		
for FY 2001	Filing Date			
	First Named Inventor	BETTS, Malcolm		
Patent fees are subject to annual revision.		Examiner Name		
TOTAL AMOUNT OF PAYMENT (\$) 852	Group Art Unit			
	(\$) 852	Attorney Docket No.	9-13528-156US	

The Commissioner is hereby authorized to charge Account   19-5113	METHOD OF PAYMENT	FEE CALCULATION (continued)				
Deposit Account   19-5113   Swabey Ogilvy Renault   19-5113   Swabey Ogilvy Renault   19-5113   Swabey Ogilvy Renault   19-5113   Swabey Ogilvy Renault   19-5113   105 130 205 65   Surcharge - late filing fee or oath   10-10-10-10-10-10-10-10-10-10-10-10-10-1		3. ADDITIONAL FEES				
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Deposit   Account   Swabey Ogilvy Renault   127   50   227   25   Surcharge - late provisional filting fee or cover sheet   139   130   130		1	ree Faid			
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12   920   112   920   12   920   Requesting publication of SIR prior to Examiner and Code   13   1,840   13   1,840   Requesting publication of SIR after   14   14   15   15   15   15   15   15						
2. Payment Enclosed:    Total Claims   Conditions   Condi	Applicant claims small entity status.					
The continuation of the						
1. BASIC FILING FEE   Large Entity Small Entity   Fee Fee Fee Fee Fee Fee Fee Fee Fee F	Check Credit card Money					
117 890 217 445   Extension for reply within third month   118 1,390 218 695   Extension for reply within firth month   118 1,390 218 695   Extension for reply within firth month   118 1,390 218 695   Extension for reply within firth month   118 1,390 218 695   Extension for reply within firth month   128 1,890 228 945   Extension for reply within firth month   128 1,890 228 945   Extension for reply within firth month   129 1,000 200 1,000 200 1,000 200 1,000 200 1,000 200 1,000 200 1,000 200 200 1,000 200 200 1,000 200 200 200 1,000 200 200 200 1,000 200 200 200 200 200 200 200 200 200	FEE CALCULATION	115 110 215 55 Extension for reply within first month				
118 1,390 218 695   Extension for reply within fourth month   128 1,890 228 945   Extension for reply within firth month   128 1,890 248 948   Extension	1. BASIC FILING FEE	and the second month				
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101 710 201 355   Utility filing fee   740   128 1,890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,1890 228 945   Extension for reply within fifth month   128 1,199		118 1,390 218 695 Extension for reply within fourth month				
106 320 206 160 Design filing fee   107 490 207 245 Plant filing fee   120 310 220 155 Filing a brief in support of an appeal   121 270 221 135 Request for oral hearing   121 270 221 135 Request for oral hearing   138 1,510 138 1,510   138 1,51	101 710 201 255 1966 665	128 1,890 228 945 Extension for reply within fifth month				
108 710 208 355 Relissue filing fee   121 270 221 135   Request for oral hearing   138 1,510 138 1,510   138 1,5		119 310 219 155 Notice of Appeal				
138 1,510   138 1,510   Petition to institute a public use proceeding   140 110   240   55   Petition to revive - unavoidable   141 1,240   241   620   Petition to revive - unavoidable   141 1,240   241   620   Petition to revive - unintentional   142 1,240   242   620   Utility issue fee (or reissue)   143   440   243   220   Design issue fee   144   243   245   245   246	107 490 207 245 Plant filing fee	3 3 3 3 3 4 3 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6				
SUBTOTAL (1) (\$) 740.00  2. EXTRA CLAIM FEES  Extra Claims Fee from below Fee Paid Independent	108 710 208 355 Reissue filing fee					
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2. EXTRA CLAIM FEES    Extra Claims   Fee from below   Fee Paid   143   440   243   220   242   620   243   620	SUBTOTAL (1) (\$) 740.00	and to the same of				
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104 270 204 135 Multiple dependent claims in excess of 3 109 80 209 40 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) 72  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Independent claims in excess of 3 149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application  Other fee (specify)  *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40  SUBMITTED BY  Complete (if applicable)  Registration No. (Aftorney/Agent) 44,206 Telephone 613-230-6072		146 710 246 355 Filing a submission after final rejection				
109 80 209 40 ** Reissue independent claims over original patent  110 18 210 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) 72  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Complete (if applicable)  Registration No. (Afformey/Agent)  Registration No. (Afformey/Agent)  Registration No. (Afformey/Agent)  Registration No. (Afformey/Agent)	independent old in case 35 of 5	149 710 249 355 For each additional invention to be				
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**or number previously paid, if greater; For Reissues, see above  *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40  SUBMITTED BY  Complete (if applicable)  Registration No. (Aftorney/Agent)  Advance (Printl Type) Kent Daniels, (Aftorney/Agent)  Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40  *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40  *Telephone 613-230-6072	and over original patent	of a design application				
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(Attorney/Agent) 7-7,200 Totalprioric 013-230-0072	Name (PrintType)   Kont Donielo   Registration No.					
Ignature Date November 22, 2001	ignature	(Attorney/Agent) 44,206 Telephone 613-230-60				

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